

Listing of Claims:

1. (currently amended) A method of remotely monitoring electrical power in an electrical circuit, remote metering display for displaying power-related information generated by a power meter linked to the display, the remote metering display comprising:

coupling a power meter to an electrical circuit for sensing power-related signals in said electrical circuit and generating power-related information based on said power-related signals; and

connecting a remote metering display screen to said power meter; said remote metering display including:

a display screen;

a plurality of user interface buttons for navigating through menu options depicted on the display screen; and

a motion sensor for activating powering on the display screen in response to detection of a person's presence within a predetermined distance of said remote metering display; and

accessing said power-related information by navigating through menu options on said display screen.

2. (currently amended) The display method of claim 1, wherein ~~the~~ said display screen is a vacuum florescent display screen.

3. (currently amended) The display method of claim 1, including powering off said display screen wherein the display screen is deactivated in response to no motion being detected by the motion sensor and none of the said user interface buttons being pressed for a predefined period of idle time.

4. (currently amended) The display method of claim 3, wherein ~~the~~ said predefined period of idle time is definable in one of ~~the~~ said menu options using ~~the~~ said user interface buttons.

5. (currently amended) The display method of claim 1, wherein ~~the~~ said motion sensor includes a plurality of selectable sensitivity levels for varying the predetermined distance, and

further, selecting one of the sensitivity levels ~~being selected in one of the~~ said menu options using ~~the~~ said user interface buttons.

6. (currently amended) The display method of claim 1, wherein ~~the~~ said motion sensor senses infrared waves projected from a person's body.

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7. (currently amended) The display method of claim 1, wherein ~~the~~ said motion sensor includes a pyroelectric detector for sensing infrared waves projected from a person's body, and includes a fresnel lens for focalizing the infrared waves to a window area of ~~the~~ said pyroelectric detector.

8. (currently amended) The display method of claim 7, wherein ~~the~~ said pyroelectric detector generates an analog output signal, and wherein ~~the~~ said motion sensor further includes an analog-to-digital converter for receiving and digitizing the analog output signal.

9. (currently amended) A remote metering display for displaying power-related information generated by a power meter linked to the display, the remote metering display comprising:

a processing unit;

a display screen coupled to the processing unit;

a plurality of user interface buttons, coupled to the processing unit, for navigating through menu options depicted on the display screen; and

a motion sensor, coupled to the processing unit, for ~~activating~~ powering on the display screen in response to detection of a person's presence within a predetermined distance of ~~the motion sensor~~ said remote metering display.

10. (original) The display of claim 9, wherein the display screen is a vacuum florescent display screen.

11. (currently amended) The display of claim 9, wherein the display screen is ~~deactivated~~ powered off by the processing unit in response to no motion being detected by the motion sensor and none of the user interface buttons being pressed for a predefined period of idle time.

12. (currently amended) The display of claim 9 11, wherein the predefined period of idle time is definable in one of the menu options using the user interface buttons.

13. (original) The display of claim 9, wherein the motion sensor includes a plurality of selectable sensitivity levels for varying the predetermined distance, one of the sensitivity levels being selected in one of the menu options using the user interface buttons.

14. (currently amended) A power metering arrangement, comprising:  
 a power meter, coupled to a power line, for sensing power-related signals traveling through the power line and for generating power-related information based on the power-related signals; and  
 a remote metering display for displaying the power-related information, the remote metering display being linked to the power meter, the remote metering display including:  
 a display screen;  
 a plurality of user interface buttons for navigating through menu options depicted on the display screen; and  
 a motion sensor for ~~activating~~ powering on the display screen in response to detection of a person's presence within a predetermined distance of ~~the motion sensor~~ said remote metering display.

15. (original) The display of claim 14, wherein the display screen is a vacuum florescent display screen.

16. (currently amended) The display of claim 14, wherein the display screen is ~~deactivated~~ powered off in response to no motion being detected by the motion sensor and none of the user interface buttons being pressed for a predefined period of idle time.

17. (currently amended) The display of claim ~~[[14]]~~ 16, wherein the predefined period of idle time is definable in one of the menu options using the user interface buttons.

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18. (original) The display of claim 14, wherein the motion sensor includes a plurality of selectable sensitivity levels for varying the predetermined distance, one of the sensitivity levels being selected in one of the menu options using the user interface buttons.

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